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NEWS 7 MAY 30 DGENE, PCTGEN, and USGENE enhanced with new homology
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NEWS 21 AUG 01 INPADOCDB and INPAFAMDB coverage enhanced
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page images from 1967-1998
NEWS 23 AUG 15 CAOLD to be discontinued on December 31, 2008
NEWS 24 AUG 15 CAPLUS currency for Korean patents enhanced
NEWS 25 AUG 25 CA/CAPLUS, CASREACT, and IFI and USPAT databases
enhanced for more flexible patent number searching
NEWS 26 AUG 27 CAS definition of basic patents expanded to ensure
comprehensive access to substance and sequence
information

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	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 16 SEP 2008 HIGHEST RN 1049663-83-3
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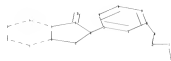
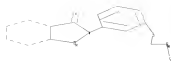
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=>
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chain nodes :
10 20 22 23 24
ring nodes :
1 2 3 4 5 6 7 8 9 12 13 14 15 16 17
chain bonds :
7-10 8-12 16-20 20-22 22-23 23-24
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 12-13 12-17 13-14 14-15 15-16
16-17
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 7-8 7-10 8-9 8-12 16-20 20-22 23-24
exact bonds :
5-6 5-7 6-9 22-23
normalized bonds :
12-13 12-17 13-14 14-15 15-16 16-17
isolated ring systems :
containing 1 : 12 :

```

G1:C,O,S,N

G2:Cy,N

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 20:CLASS 22:CLASS 23:CLASS
24:CLASS

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L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 11:03:14 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 34903 TO ITERATE

100.0% PROCESSED 34903 ITERATIONS

173 ANSWERS

SEARCH TIME: 00.00.02

L2 173 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

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SESSION

FULL ESTIMATED COST

178.36

178.57

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FILE COVERS 1907 - 17 Sep 2008 VOL 149 ISS 12

FILE LAST UPDATED: 16 Sep 2008 (20080916/ED)

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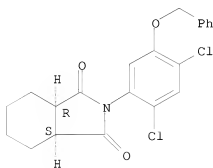
=> s l2 full

L3 7 L2

=> d ibib abs hitstr tot

L3 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:575624 CAPLUS
 DOCUMENT NUMBER: 143:486166
 TITLE: 2-(5-Benzyloxy-2,4-dichlorophenyl)perhydroisindole-1,3-dione monohydrate
 AUTHOR(S): Wang, Neng Xue; Luo, Yan Ping; Chen, Qiong; Yang, Guang Fu
 CORPORATE SOURCE: Key Laboratory of Pesticide and Chemical Biology of the Ministry of Education, College of Chemistry, Central China Normal University, Wuhan, 430079, Peop. Rep. China
 SOURCE: Acta Crystallographica, Section E: Structure Reports Online (2005), E61(7), o2081-o2082
 CODEN: ACSEBH; ISSN: 1600-5368
 URL: <http://journals.iucr.org/e/issues/2005/07/00/is6087/index.html>
 PUBLISHER: Blackwell Publishing Ltd.
 DOCUMENT TYPE: Journal; (online computer file)
 LANGUAGE: English
 AB The crystal structure of the title compound, C21H19Cl2NO3·H2O, shows that there are no intra- or intermol. π - π stacking interactions. The structure is stabilized by O-H...O H bonds involving the carbonyl group and the solvent H2O mol. Crystallog. data are given.
 IT 869730-54-1P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and crystal structure of)
 RN 869730-54-1 CAPLUS
 CN 1H-Isindole-1,3(2H)-dione, 2-[2,4-dichloro-5-(phenylmethoxy)phenyl]hexahydro-, hydrate (1:1), (3aR,7aS)-rel- (CA INDEX NAME)

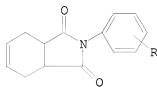
Relative stereochemistry.



● H₂O

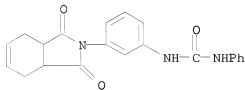
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1992:571133 CAPLUS
 DOCUMENT NUMBER: 117:171133
 ORIGINAL REFERENCE NO.: 117:29581a,29584a
 TITLE: 4-Cyclohexene-1,2-dicarboximidobenzoyl azides
 AUTHOR(S): Fahmy, A. F. M.; Hamed, A. A.; Abd El-Aleem, A. H.;
 Essawy, S. A.; Metwally, R. N.
 CORPORATE SOURCE: Fac. Sci., Ain Shams Univ., Cairo, Egypt
 SOURCE: Egyptian Journal of Chemistry (1991), Volume Date
 1989, 32(4), 455-66
 CODEN: EGJCA3; ISSN: 0367-0422
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI

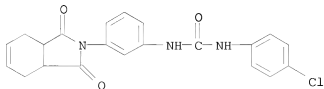


I

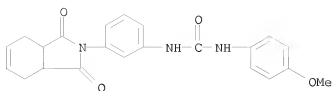
AB Reaction of acid chlorides I (R = 3- or 4-COCl) with NaN₃ gave the title
 compds. (I; R = 3- or 4-CON₃). I (R = 4-CON₃) reacted with arylamines to
 give anilides, whereas I (R = 3-CON₃) reacted with arylamines to give
 ureas (I; R = 3-NHCONHC₆H₄R₁-4; R₁ = H, Cl, OMe).
 IT 143725-76-2P 143725-77-3P 143725-78-4P
 143725-83-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 143725-76-2 CAPLUS
 CN Urea, N-[3-(1,3,3a,4,7,7a-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]-N'-
 phenyl- (CA INDEX NAME)



RN 143725-77-3 CAPLUS
 CN Urea, N-[3-(1,3,3a,4,7,7a-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]-
 N'-[3-(1,3,3a,4,7,7a-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]- (CA INDEX NAME)

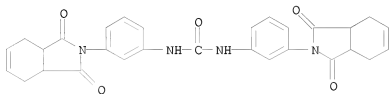


RN 143725-78-4 CAPLUS
 CN Urea, N-[3-(1,3,3a,4,7,7a-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenyl]-N'-
 (4-methoxyphenyl)- (CA INDEX NAME)



RN 143725-83-1 CAPLUS

CN Urea, N,N'-bis[3-(1,3,3a,4,7,7a-hexahydro-1,3-dioxo-2H-isindol-2-yl)phenyl]- (CA INDEX NAME)

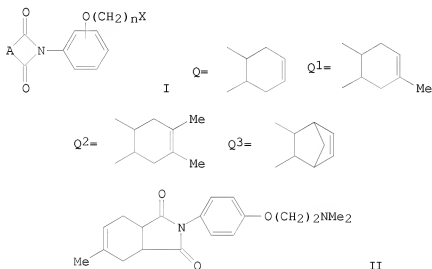


L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991:122049 CAPLUS
 DOCUMENT NUMBER: 114:122049
 ORIGINAL REFERENCE NO.: 114:20781a, 20784a
 TITLE: Preparation of N-[[(dialkylamino)alkoxy]phenyl]tetrahydropthalimides
 INVENTOR(S): Bartnik, Romuald; Epszajn, Jan; Hahn, Witold; Zielinski, Tadeusz
 PATENT ASSIGNEE(S): Uniwersytet Lodzki, Pol.
 SOURCE: Pol., 7 pp.
 CODEN: POXXA7
 DOCUMENT TYPE: Patent
 LANGUAGE: Polish
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PL 137227	B2	19860531	PL 1984-246947	19840328
PRIORITY APPLN. INFO.: OTHER SOURCE(S):	CASREACT 114:122049		PL 1984-246947	19840328

GI

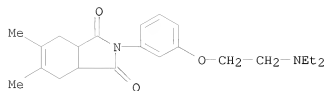


AB Title compds. I (A = Q, Q1, Q2, Q3 = X = piperidyl, morpholino, R2N, R = alkyl; n = 2-5) useful as antidepressants (no data) are prepared by reacting a hydroxy analog I with dibromoalkene in presence of K2CO3 to give bromoalkyl analog of I which was in turn treated with a secondary heteroamine or R2N. Title compound II was prepared

IT 116755-92-1P 116756-40-2P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of, as antidepressant)

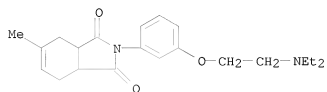
RN 116755-92-1 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[3-[2-(diethylamino)ethoxy]phenyl]-3a,4,7,7a-tetrahydro-5,6-dimethyl- (CA INDEX NAME)



RN 116756-40-2 CAPLUS

CN 1H-isoindole-1,3(2H)-dione, 2-[3-[2-(diethylamino)ethoxy]phenyl]-3a,4,7,7a-tetrahydro-5-methyl- (CA INDEX NAME)



L3 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991:42474 CAPLUS

DOCUMENT NUMBER: 114:42474

ORIGINAL REFERENCE NO.: 114:7389a,7392a

TITLE: (Meth)acrylic monomers based on the condensation

products of maleic anhydride by Diels-Alder reaction

Kolendo, A. Yu.; Syromyatnikov, V. G.; Paskal, L. P.

Kiev. Gos. Univ., Kiev, USSR

SOURCE: Ukrainskii Khimicheskii Zhurnal (Russian Edition)

(1990), 56(6), 647-51

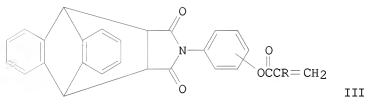
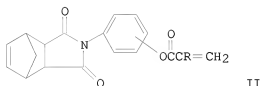
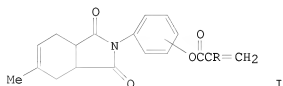
CODEN: UKZHAU; ISSN: 0041-6045

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 114:42474

GI



AB Monomers I, II, and III (R = H, Me; acrylic ester group attached at para or meta position) were prepared by conversion of maleic anhydride Diels-Alder adducts to the p- and m-hydroxyphenylimides, followed by acylation with acryloyl or methacryloyl chloride. The polymerization kinetics

of

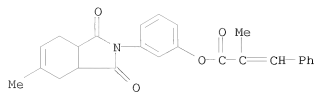
these monomers were determined; all were more active than Ph methacrylate. A copolymer of styrene and I (R = Me, ester group attached meta) was obtained.

IT 131317-40-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 131317-40-3 CAPLUS

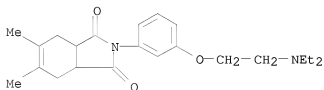
CN 2-Propenoic acid, 2-methyl-3-phenyl-, 3-(1,3,3a,4,7,7a-hexahydro-5-methyl-1,3-dioxo-2H-isindol-2-yl)phenyl ester (CA INDEX NAME)



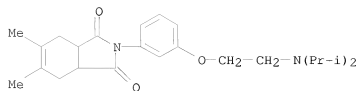
L3 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1988:549277 CAPLUS
 DOCUMENT NUMBER: 109:149277
 ORIGINAL REFERENCE NO.: 109:24823a,24826a
 TITLE: Imides of dicarboxylic acids. VI. Synthesis of
 N-(dialkylaminoalkoxyphenyl)tetrahydrophthalimides
 AUTHOR(S): Hahn, Witold E.; Bartnik, Romuald; Epszajn, Jan;
 Zielinski, Tadeusz
 CORPORATE SOURCE: Inst. Chem., Univ. Lodz, Lodz, 90136, Pol.
 SOURCE: Acta Polonicae Pharmaceutica (1987), 44(3-4), 292-304
 CODEN: APPHAX; ISSN: 0001-6837
 DOCUMENT TYPE: Journal
 LANGUAGE: Polish
 OTHER SOURCE(S): CASREACT 109:149277
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Etherification of 3- and 4-AcNHC6H4OH with Br(CH2)2Br followed by
 deacetylation with HBr yielded 3- and 4-H2NC6H4O(CH2)2Br (I and II,
 resp.). I and II were converted into derivs. III, IV, V, and VI (all R =
 H, R1 = Br, n = 1) in the reaction with phthalic anhydride derivs.;
 analogous products (n = 1, 2, 4) were obtained by treating the anhydrides
 with isomeric H2NC6H4OH followed by the reaction with Br(CH2)n+1Br. In
 the reaction with amines, the bromoalkoxy derivs. gave 58 III, IV, V, and
 VI [all R = H, n = 1, 2, 4, R1 = Me2N, Et2N, Pr2N, Bu2N, (Me2CH)2N,
 (Me2CHCH2)2N, 1-piperidinyl, and 4-morpholinyl]; similarly, the hydroxy
 derivs. on treatment with ClCHMeCH2NMe2 gave 5 III, IV, and V (all R = Me,
 R1 = NMe2, n = 1). In the reactions of etherification with
 α,ω -dibromoalkanes, minute amts. of bis-compds. were observed
 only in a few cases. Four IV and V (R = H, n = 0, R1 = CONR2, R2 =
 1-piperidinyl, 4-morpholinyl) were prepared analogously.
 IT 116755-92-1P 116755-96-5P 116756-40-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 116755-92-1 CAPLUS
 CN 1H-Isoindole-1,3(2H)-dione, 2-[3-[2-(diethylamino)ethoxy]phenyl]-3a,4,7,7a-
 tetrahydro-5,6-dimethyl- (CA INDEX NAME)

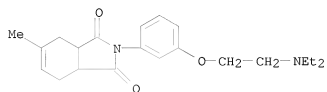


RN 116755-96-5 CAPLUS
 CN 1H-Isoindole-1,3(2H)-dione, 2-[3-[2-[bis(1-methylethyl)amino]ethoxy]phenyl]
]-3a,4,7,7a-tetrahydro-5,6-dimethyl- (CA INDEX NAME)



RN 116756-40-2 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[3-[2-(diethylamino)ethoxy]phenyl]-3a,4,7,7a-tetrahydro-5-methyl- (CA INDEX NAME)



L3 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1981:480636 CAPLUS

DOCUMENT NUMBER: 95:80636

ORIGINAL REFERENCE NO.: 95:13631a,13634a

TITLE: Dicarboxylic acid imides. VI. N-Aminoalkoxyphenyl

derivatives of 4-cyclohexene-1,2-dicarboximide

Hahn, Witold E.; Sokolowska, Alicja

CORPORATE SOURCE: Inst. Chem., Univ. Lodz, Lodz, 90-134, Pol.

SOURCE: Acta Poloniae Pharmaceutica (1980), 37(4), 403-8

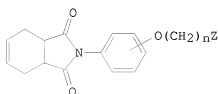
CODEN: APPHAX; ISSN: 0001-6837

DOCUMENT TYPE: Journal

LANGUAGE: Polish

OTHER SOURCE(S): CASREACT 95:80636

GI



I, Z=NR₂

III, Z=Br

AB Eighteen imide derivs. (I; n = 2, 3; R = Me, Et, Me₂CH, 1-piperidinyl, 1-pyrrolidinyl) were prepared by reaction of Cl(CH₂)_nNR₂ with the corresponding phenolic compound (II) in Me₂CO in the presence of K₂CO₃. An alternative route of synthesis involved the reaction of II with Br(CH₂)_nBr and subsequent treatment of the thus formed III with R₂NH. Hypotensive and psychotropic activity of several I was claimed.

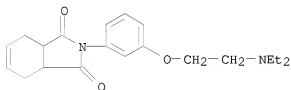
IT 78546-11-9P 78546-14-2P 78546-18-6P

78546-30-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

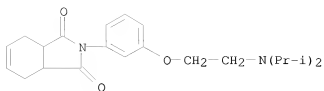
RN 78546-11-9 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[3-[2-(diethylamino)ethoxy]phenyl]-3a,4,7,7a-tetrahydro- (CA INDEX NAME)



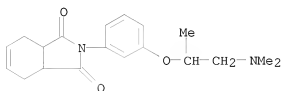
RN 78546-14-2 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[3-[2-[bis(1-methylethyl)amino]ethoxy]phenyl]-3a,4,7,7a-tetrahydro- (CA INDEX NAME)



RN 78546-18-6 CAPLUS

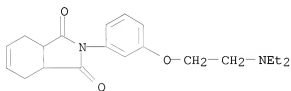
CN 1H-Isoindole-1,3(2H)-dione, 2-[3-[2-(dimethylamino)-1-methylethoxy]phenyl]-3a,4,7,7a-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 78546-30-2 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[3-[2-(diethylamino)ethoxy]phenyl]-3a,4,7,7a-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

ACCESSION NUMBER: 1980:446301 CAPLUS

DOCUMENT NUMBER: 93:46301

ORIGINAL REFERENCE NO.: 93:7639a,7642a

TITLE: Imides of dicarboxylic acids. V.

N-(3-amino-2-hydroxypropyloxyphenyl) derivatives of

cyclohex-4-ene-1,2-dicarboximide

Hahn, Witold E.; Sokolowska, Alicja

CORPORATE SOURCE: Inst. Chem., Univ. Lodz, Lodz, Pol.

SOURCE: Acta Poloniae Pharmaceutica (1979), 36(4), 421-6

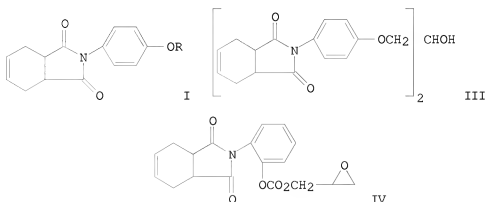
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LANGUAGE: Polish

OTHER SOURCE(S): CASREACT 93:46301

GI



AB I (R = H) treated in Me₂CO with 5 mol epichlorohydrin in presence of K₂CO₃ yielded 76% I (R = 2,3-epoxypropyl; II), whereas 68% III was obtained when the reagents were used in stoichiometric amts. The m-analog of II was prepared similarly in the yield of 44%. An analogous reaction in the o-series gave only 10% IV, identified by IR and mass spectrometry; the mechanism of the formation of IV is discussed. II and concentrated HCl in

CHCl₃

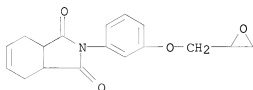
gave 60% I [R = CH₂CH(OH)CH₂Cl], which reacted with piperidine or morpholine to substitute Cl with amine.

IT 74003-37-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 74003-37-5 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[3-(oxiranylmethoxy)phenyl]- (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

39.11

217.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-5.60

-5.60

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